ANSI/CEA Standard

Multi-Room Audio Cabling Standard

ANSI/CEA/CEDIA-2030-A

February 2011

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FOREWORD

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Multi-Room Audio Cabling Standard

1 SCOPE

This standard defines cabling and connectors for use in distributing analog and digital audio signals throughout a home. This multi-room audio standard covers stereo content (either summed or two channels) only.

2 REFERENCES

2.1 Normative References

The following references contain provisions that, through reference in this text, constitute normative provisions of this standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below.

2.1.1 Normative Reference List

AIA A-201-1997 General Conditions of the Contract for Construction

ANSI/TIA/568-C, Generic Telecommunications Cabling for Customer Premises, February, 2009.

ANSI/TIA/EIA-568-C-2, Balanced Twisted-Pair Telecommunications Cabling and Components Standards (See Addendum 1 For category 6 Performance Specs), August 2009.

ANSI/CEA-863-A, Connection Color Codes for Home Theater Systems, March, 2005.

IEC 60603-7, Connectors for Electronic Equipment – Part 7: Detail Specification Unshielded, Free and Fixed Connectors, July 2008.

ANSI/NFPA-70, National Electrical Code®, August 2008.

ANSI/TIA-570-B, Residential Telecommunications Infrastructure Standard, January 2009.

ANSI/TIA/EIA-606-A Administration Standard for Commercial Telecommunications Infrastructure May 2002

ANSI/TIA-968-A, Telecommunications Telephone Terminal Equipment Technical Requirements for Connection of Terminal Equipment to the Telephone Network, August 2007

AES-48 AES Standard on Interconnections – Grounding and EMC Practices – Shields of Connectors in Audio Equipment Containing Active Circuitry May 2005

EIA/ECA 310-E Cabinets, Racks, Panels, and Associated Equipment, December 2005

ANSI-ASHRAE 55 - Thermal Environmental Conditions for Human Occupancy, 2004

UL 1678 – Household, Commercial, and Professional Use Carts and Stands for Use with Audio/Video Equipment, December 2001

ANSI/TIA/EIA-569-A: Commercial Building Standard for Telecommunications Pathways and Spaces, December 2007

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CEA/CEDIA-CEB22: Home Theater Recommended Practice: Audio Design
NEC-225.30-39: More than One Building or Other Structure

2.1.2 Normative Reference Acquisition

AES Standards:

- Audio Engineering Society, International Headquarters, 60 East 42nd St, Room 2520, New York, NY 10165; Phone 212-661-8528; Fax 212-682-0477; Internet http://www.aes.org

TIA, CEA, IEC and EIA Standards:

- IHS, World Headquarters, 15 Inverness Way East, Englewood, CO USA 80112-5776; Phone 800-854-7179; Fax 303-397-2740; Internet http://global.ihs.com; Email global@ihs.com

NFPA Standards:

- National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 USA; Phone: 800-344-3555 or +1-617-770-3000 if outside the U.S; Fax: 617-770-0700; Internet http://www.nfpa.org.

2.2 Informative References

The following references contain provisions that, through reference in this text, constitute informative provisions of this standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below.

2.2.1 Informative Reference List

CEA TechHome Rating System

2.2.2 Informative Reference Acquisition

CEA TechHome Rating System:

- Consumer Electronics Association, 1919 S. Eads St., Arlington, VA 22202 USA; +1 703 907 7600; http://www.ce.org/techhomerating.

2.3 Definitions

Authority Having Jurisdiction (AHJ)	An organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, an installation, or a procedure.
Bundled Cable	For the purposes of this standard, bundled cable means category 5e or category 6 cable together with a minimum of four speaker conductors.
Block Diagram	A diagram showing the interconnections between the components of system (especially in an electronic system).
Category 5e Cable	A cable that meets the category 5e specifications in ANSI/TIA/EIA-568-B 2.
Category 6 Cable	A cable that meets the category 6 specifications in ANSI/TIA/EIA-568-B-2.

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